

Amendments to the Claims:

This listing of claims replaces all previous versions, and listings, of the claims in this application.

Listing of the Claims:

Claim 1 (currently amended). Colored infrared-reflective roofing granules comprising inert base particles with size passing #8 mesh and retaining on #70 mesh coated with a cured coating composition comprising a coating binder and at least one colored, infrared-reflective pigment.

Claim 2 (original). Colored infrared-reflective roofing granules according to claim 1, the colored infrared-reflective roofing granules having an L* value of less than 55.

Claim 3 (original). Colored infrared-reflective roofing granules according to claim 1 the colored infrared-reflective roofing granules having an infrared reflectance of at least 25%.

Claim 4 (original). Colored infrared-reflective roofing granules according to claim 1 wherein the coating composition further comprises at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 5 (original). Colored infrared-reflective roofing granules according to claim 1 wherein the coating composition further comprises at least one coloring material selected from the group consisting of granule coloring pigments and uv-stabilized dyes.

Claim 6 (currently amended). Colored infrared-reflective roofing granules [according to claim 1] comprising base particles with size passing #8 mesh and retaining on #70 mesh coated with a cured coating composition comprising a coating

binder and at least one colored, infrared-reflective pigment wherein the base particles comprise mineral particles coated with a cured base coating composition including a base particle binder, and at least one reflective white pigment.

Claim 7 (original). Colored infrared-reflective roofing granules according to claim 6 wherein the at least one reflective white pigment is selected from the group consisting of titanium dioxide, zinc oxide and zinc sulfide.

Claim 8 (original). Colored infrared-reflective roofing granules comprising base particles comprising inert mineral particles coated with a cured first coating composition including a base particle binder and at least one reflective white pigment, the base particles being coated with a cured second coating composition including a coating binder, and at least one colorant selected from the group consisting of uv-stabilized dyes and granule coloring pigments.

Claim 9 (original). Colored infrared-reflective roofing granules according to claim 8, the colored infrared-reflective roofing granules having an L* value of less than 55.

Claim 10 (original) Colored infrared-reflective roofing granules according to claim 8 the colored infrared-reflective roofing granules having an infrared reflectance of at least 25%.

Claim 11 (original). Colored infrared-reflective roofing granules according to claim 8 wherein the second coating composition further comprises at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 12 (original). Colored infrared-reflective roofing granules according to claim 8 wherein the at least one reflective white pigment is selected from the group consisting of titanium dioxide, zinc oxide and zinc sulfide.

Claim 13 (original). Colored infrared-reflective roofing granules comprising inert mineral particles coated with a cured first coating composition including a base particle binder and at least one colorant selected from the group consisting of uv-stabilized dyes and granule coloring pigments to form base particles, the base particles being coated with a cured second coating composition including a coating binder and at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 14 (original). Colored infrared-reflective roofing granules according to claim 13, the colored infrared-reflective roofing granules having an L* value of less than 55.

Claim 15 (original). Colored infrared-reflective roofing granules according to claim 13, the colored infrared-reflective roofing granules having an infrared reflectance of at least 25%.

Claim 16 (original). Colored infrared-reflective roofing granules according to claim 13 wherein the first coating composition further comprises at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 17 (currently amended). A bituminous roofing product comprising a substrate sheet of a fibrous material saturated with a bituminous coating material and colored, infrared-reflective roofing granules comprising base particles with size passing #8 mesh and retaining on #70 mesh coated with a cured coating composition comprising a coating binder and at least one colored, infrared-reflective pigment.

Claim 18 (original). A bituminous roofing product according to claim 17 having an L* value of less than 55.

Claim 19 (original). A bituminous roofing product according to claim 17 having an infrared reflectance of at least 25%.

Claim 20 (original). A bituminous roofing product according to claim 17 wherein the coating composition further comprises at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 21 (original). A bituminous roofing product according to claim 17 wherein the base particles comprise mineral particles coated with a cured base coating composition including a base coating binder and at least one reflective white pigment.

Claim 22 (original). A bituminous roofing product according to claim 21 wherein the at least one reflective white pigment is selected from the group consisting of titanium dioxide, zinc oxide and zinc sulfide.

Claim 23 (currently amended). A bituminous roofing product comprising a substrate sheet of a fibrous material saturated with a bituminous coating material and colored infrared-reflective roofing granules comprising base particles comprising inert mineral particles with size passing #8 mesh and retaining on #70 mesh coated with a cured first coating composition including a base particle binder and at least one reflective white pigment, the base particles being coated with a cured second coating composition including a coating binder, and at least colorant selected from the group consisting of uv-stabilized dyes and granule coloring pigments.

Claim 24 (original). A bituminous roofing product according to claim 23 having an L* value of less than 55.

Claim 25 (original). A bituminous roofing product according to claim 23 having an infrared reflectance of at least 25%.

Claim 26 (original). A bituminous roofing product according to claim 23 wherein the second coating composition further comprises at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 27 (original). A bituminous roofing product according to claim 23 wherein the at least one reflective white pigment is selected from the group consisting of titanium dioxide, zinc oxide and zinc sulfide.

Claim 28 (currently amended). A bituminous roofing product comprising a substrate sheet of a fibrous material saturated with a bituminous coating material and colored infrared-reflective roofing granules comprising inert mineral particles with size passing #8 mesh and retaining on #70 mesh coated with a cured first coating composition including a base particle binder and at least one colorant selected from the group consisting of uv-stabilized dyes and granule coloring pigments to form base particles, the base particles being coated with a cured second coating composition including a coating binder and at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, and mirrorized silica pigments based upon metal-doped silica.

Claim 29 (original). A bituminous roofing product according to claim 28 having an L* value of less than 55.

Claim 30 (original). A bituminous roofing product according to claim 28 having an infrared reflectance of at least 25%.

Claim 31 (original). A bituminous roofing product according to claim 28 wherein the first coating composition further comprises at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina.

Claim 32 (original). A mineral surfaced asphalt shingle having $L^* < 60$ and solar reflectance $> 25\%$.

Claim 33 (withdrawn). A process for increasing the infrared reflectance of colored roofing granules, the process comprising:

(a) coating colored roofing granules with a coating composition including a coating binder and at least one infrared-reflective functional pigment selected from the group consisting of light-interference platelet pigments including mica, light-interference platelet pigments including titanium dioxide, mirrorized silica pigments based upon metal-doped silica, and alumina; and

(b) curing the coating binder to provide colored, infrared-reflective roofing granules.

Claim 34 (withdrawn) A process according to claim 33, the infrared reflectance of the coated roofing granules being at least about 20 percent greater than the infrared reflectance of the uncoated roofing granules, the total color difference ΔE^* of the coated roofing granules relative to uncoated roofing granules being no more than 10 units.

Claim 35 (original). A process for preparing a bituminous roofing product, the process comprising:

(a) saturating a sheet of fibrous material with a bituminous coating material to form a substrate, and

(b) applying infrared-reflective roofing granules to the substrate, the infrared-reflective roofing granules comprising base particles coated with a cured coating composition comprising a binder and at least one colored, infrared-reflective pigment.